

**ABSTRACT OF THE DISCLOSURE**

An angle-torque sensor has: a torque detection coil that detects a change in state quantity in a mechanism to detect a relative angle made between input axis and output axis of a torsion  
5 bar to be twisted by a torque; an angle detection coil that detects a change in state quantity in a mechanism to detect a rotation angle of a reduction axis which rotates with a rotation being transmitted from the input axis or output axis and being reduced by a reduction mechanism; a torque detection circuit that detects the relative  
10 angle from the output of the torque detection coil; and an angle detection circuit that detects the rotation angle from the output of the angle detection coil.